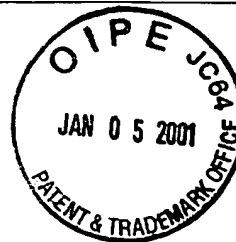


Inventor(s): Wilbur J. Walkoe, Jr., James S. Barber, Michael G. Gorman, Robert W. Bossemeyer,  
Michael S. Pickard, Denise V. Kagan, Scott C. Goering, Bruce E. Stuckman, Michael Tsiker, Jeffrey Newmann and  
David A. Orwick

Title: TELECOMMUNICATION SYSTEM, METHOD AND SUBSCRIBER UNIT FOR USE  
THEREIN



### POWER OF ATTORNEY

The specification of the above-identified patent application:



is attached hereto



was filed on March 17, 2000 as application Serial No. 09/533,263

I hereby revoke all previously granted powers of attorney in the above-identified patent application and appoint the following attorneys to prosecute said patent application and to transact all business in the Patent and Trademark Office connected therewith:

Kent E. Genin - 37,834

Bruce E. Stuckman - 36,693

William A. Webb - 28,277

Joseph F. Hetz - 41,070

Please address all correspondence and telephone calls to Kent E. Genin in care of:

Brinks Hofer Gilson & Lione  
 NBC Tower, Suite 3600  
 P.O. Box 10395  
 Chicago, IL 60610  
 (312)321-4200

The undersigned hereby authorizes the U.S. attorneys named herein to accept and follow instructions from Bruce E. Stuckman as to any action to be taken in the Patent and Trademark Office regarding this application without direct communication between the U.S. attorney and the undersigned. In the event of a change in the persons from whom instructions may be taken, the U.S. attorneys named herein will be so notified by the undersigned.

_____ Inventor (s) Wilbur J. Walkoe, Jr.	Date: _____
_____ Inventor (s) James S. Barber	Date: _____
_____ Inventor (s) Michael G. Gorman	Date: _____
_____ Inventor (s) Robert W. Bossemeyer	Date: _____
<u>Michael S. Pickard</u> Inventor (s) Michael S. Pickard	Date: <u>8/8/2000</u>
_____ Inventor (s) Denise V. Kagan	Date: _____
_____ Inventor (s) Scott C. Goering	Date: _____

Inventor (s) Bruce E. Stuckman

Date:

Inventor (s) Michael Tisiker

Date:

Inventor (s) Jeffrey Neumann

Date:

Inventor (s) David A. Orwick

Date:

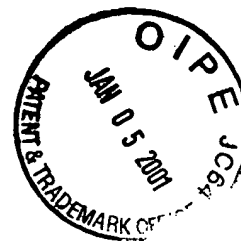
Rev. Dec.-99  
F:\COMMON\EG\ameritech 8285\8285-347\8285-347 Power of Attorney.doc



Inventor(s): Wilbur S. Walkoe, Jr., James S. Barber, Michael G. Gorman, Robert W. Bossemeyer, Michael S. Pickard, Denise V. Kagan, Scott C. Goering, Bruce E. Stuckman, Michael Tisiker, Jeffrey Newmann and David A. Orwick

Title: TELECOMMUNICATION SYSTEM, METHOD AND SUBSCRIBER UNIT FOR USE THEREIN

## POWER OF ATTORNEY



The specification of the above-identified patent application:



is attached hereto

was filed on March 17, 2000 as application Serial No. 09/533,263

I hereby revoke all previously granted powers of attorney in the above-identified patent application and appoint the following attorneys to prosecute said patent application and to transact all business in the Patent and Trademark Office connected therewith:

Kent E. Genin - 37,834

Bruce E. Stuckman - 36,693

William A. Webb - 28,277

Joseph F. Hetz - 41,070

Please address all correspondence and telephone calls to Kent E. Genin in care of:

Brinks Hofer Gilson & Lione  
NBC Tower, Suite 3600  
P.O. Box 10395  
Chicago, IL 60610  
(312)321-4200

The undersigned hereby authorizes the U.S. attorneys named herein to accept and follow instructions from Bruce E. Stuckman as to any action to be taken in the Patent and Trademark Office regarding this application without direct communication between the U.S. attorney and the undersigned. In the event of a change in the persons from whom instructions may be taken, the U.S. attorneys named herein will be so notified by the undersigned.

\_\_\_\_\_  
Inventor (s) Wilbur J. Walkoe, Jr.

Date: \_\_\_\_\_

\_\_\_\_\_  
Inventor (s) James S. Barber

Date: \_\_\_\_\_

Michael G. Gorman  
Inventor (s) Michael G. Gorman

Date: 8/8/2000

\_\_\_\_\_  
Inventor (s) Robert W. Bossemeyer

Date: \_\_\_\_\_

\_\_\_\_\_  
Inventor (s) Michael S. Pickard

Date: \_\_\_\_\_

\_\_\_\_\_  
Inventor (s) Denise V. Kagan

Date: \_\_\_\_\_

\_\_\_\_\_  
Inventor (s) Scott C. Goering

Date: \_\_\_\_\_

Inventor (s) Bruce E. Stuckman

Date:

Inventor (s) Michael Tisiker

Date:

Inventor (s) Jeffrey Neumann

Date:

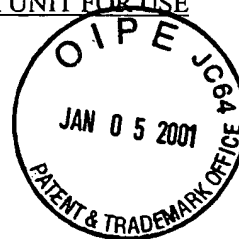
Inventor (s) David A. Orwick

Date:



Inventor(s): Wilbur J. Walkoe, Jr., James S. Barber, Michael G. Gorman, Robert W. Bossemeyer,  
Michael S. Pickard, Denise V. Kagan, Scott C. Goering, Bruce E. Stuckman, Michael Tisiker, Jeffrey Newmann and  
David A. Orwick

Title: TELECOMMUNICATION SYSTEM, METHOD AND SUBSCRIBER UNIT FOR USE  
THEREIN



### POWER OF ATTORNEY

The specification of the above-identified patent application:



is attached hereto



was filed on March 17, 2000 as application Serial No. 09/533,263

I hereby revoke all previously granted powers of attorney in the above-identified patent application and appoint the following attorneys to prosecute said patent application and to transact all business in the Patent and Trademark Office connected therewith:

Kent E. Genin - 37,834

Bruce E. Stuckman - 36,693

William A. Webb - 28,277

Joseph F. Hetz - 41,070

Please address all correspondence and telephone calls to Kent E. Genin in care of:

Brinks Hofer Gilson & Lione  
 NBC Tower, Suite 3600  
 P.O. Box 10395  
 Chicago, IL 60610  
 (312)321-4200

The undersigned hereby authorizes the U.S. attorneys named herein to accept and follow instructions from Bruce E. Stuckman as to any action to be taken in the Patent and Trademark Office regarding this application without direct communication between the U.S. attorney and the undersigned. In the event of a change in the persons from whom instructions may be taken, the U.S. attorneys named herein will be so notified by the undersigned.

\_\_\_\_\_  
 Inventor (s) Wilbur J. Walkoe, Jr.

Date: \_\_\_\_\_

\_\_\_\_\_  
 Inventor (s) James S. Barber

Date: \_\_\_\_\_

\_\_\_\_\_  
 Inventor (s) Michael G. Gorman

Date: \_\_\_\_\_

\_\_\_\_\_  
 Inventor (s) Robert W. Bossemeyer

Date: \_\_\_\_\_

\_\_\_\_\_  
 Inventor (s) Michael S. Pickard


Date: \_\_\_\_\_

\_\_\_\_\_  
 Inventor (s) Denise V. Kagan

Date: \_\_\_\_\_

\_\_\_\_\_  
 Inventor (s) Scott C. Goering

Date: \_\_\_\_\_

  
Inventor (s) Bruce E. Stuckman

Date: 8/8/2000

Inventor (s) Michael Tisiker

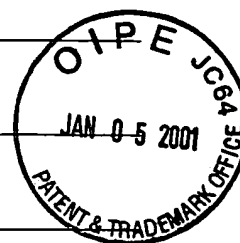
Date: \_\_\_\_\_

Inventor (s) Jeffrey Neumann

Date: \_\_\_\_\_

Inventor (s) David A. Orwick

Date: \_\_\_\_\_



Inventor(s): Wilbur J. Walkoe, Jr., James S. Barber, Michael G. Gorman, Robert W. Bossemeyer,  
Michael S. Pickard, Denise V. Kagan, Scott C. Goering, Bruce E. Stuckman, Michael Tisiker, Jeffrey Newmann and  
David A. Orwick

#3

Title: TELECOMMUNICATION SYSTEM, METHOD AND SUBSCRIBER UNIT FOR USE  
THEREIN

## POWER OF ATTORNEY



The specification of the above-identified patent application:



is attached hereto



was filed on March 17, 2000 as application Serial No. 09/533,263

I hereby revoke all previously granted powers of attorney in the above-identified patent application and appoint the following attorneys to prosecute said patent application and to transact all business in the Patent and Trademark Office connected therewith:

Kent E. Genin - 37,834

Bruce E. Stuckman - 36,693

William A. Webb - 28,277

Joseph F. Hetz - 41,070

Please address all correspondence and telephone calls to Kent E. Genin in care of:

Brinks Hofer Gilson & Lione  
 NBC Tower, Suite 3600  
 P.O. Box 10395  
 Chicago, IL 60610  
 (312)321-4200

The undersigned hereby authorizes the U.S. attorneys named herein to accept and follow instructions from Bruce E. Stuckman as to any action to be taken in the Patent and Trademark Office regarding this application without direct communication between the U.S. attorney and the undersigned. In the event of a change in the persons from whom instructions may be taken, the U.S. attorneys named herein will be so notified by the undersigned.

Inventor (s) Wilbur J. Walkoe, Jr.

Date: \_\_\_\_\_

Inventor (s) James S. Barber

Date: \_\_\_\_\_

Inventor (s) Michael G. Gorman

Date: \_\_\_\_\_

Inventor (s) Robert W. Bossemeyer

Date: \_\_\_\_\_

Inventor (s) Michael S. Pickard

Date: \_\_\_\_\_

Denise V. Kagan  
 Inventor (s) Denise V. Kagan

Date: 8-15-00

Inventor (s) Scott C. Goering

Date: \_\_\_\_\_

\_\_\_\_\_  
Inventor (s) Bruce E. Stuckman

Date: \_\_\_\_\_

\_\_\_\_\_  
Inventor (s) Michael Tisiker

Date: \_\_\_\_\_

\_\_\_\_\_  
Inventor (s) Jeffrey Neumann

Date: \_\_\_\_\_

\_\_\_\_\_  
Inventor (s) David A. Orwick

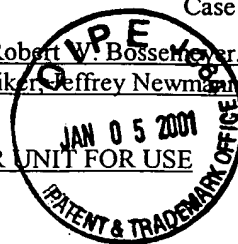
Date: \_\_\_\_\_





Inventor(s): Wilbur J. Walkoe, Jr., James S. Barber, Michael G. Gorman, Robert W. Bossemeyer, Michael S. Pickard, Denise V. Kagan, Scott C. Goering, Bruce E. Stuckman, Michael Tisiker, Jeffrey Newman and David A. Orwick

Title: TELECOMMUNICATION SYSTEM, METHOD AND SUBSCRIBER UNIT FOR USE THEREIN



### POWER OF ATTORNEY

The specification of the above-identified patent application:



is attached hereto



was filed on March 17, 2000 as application Serial No. 09/533,263

I hereby revoke all previously granted powers of attorney in the above-identified patent application and appoint the following attorneys to prosecute said patent application and to transact all business in the Patent and Trademark Office connected therewith:

Kent E. Genin - 37,834

Bruce E. Stuckman - 36,693

William A. Webb - 28,277

Joseph F. Hetz - 41,070

Please address all correspondence and telephone calls to Kent E. Genin in care of:

Brinks Hofer Gilson & Lione  
NBC Tower, Suite 3600  
P.O. Box 10395  
Chicago, IL 60610  
(312)321-4200

The undersigned hereby authorizes the U.S. attorneys named herein to accept and follow instructions from Bruce E. Stuckman as to any action to be taken in the Patent and Trademark Office regarding this application without direct communication between the U.S. attorney and the undersigned. In the event of a change in the persons from whom instructions may be taken, the U.S. attorneys named herein will be so notified by the undersigned.

\_\_\_\_\_  
Inventor (s) Wilbur J. Walkoe, Jr.

Date: \_\_\_\_\_

\_\_\_\_\_  
Inventor (s) James S. Barber

Date: \_\_\_\_\_

\_\_\_\_\_  
Inventor (s) Michael G. Gorman

Date: \_\_\_\_\_

\_\_\_\_\_  
Inventor (s) Robert W. Bossemeyer

Date: \_\_\_\_\_

\_\_\_\_\_  
Inventor (s) Michael S. Pickard

Date: \_\_\_\_\_

\_\_\_\_\_  
Inventor (s) Denise V. Kagan

Date: \_\_\_\_\_

\_\_\_\_\_  
Inventor (s) Scott C. Goering

Date: \_\_\_\_\_

Inventor (s) Bruce E. Stuckman

Date:

Inventor (s) Michael Tisiker

Date:

Inventor (s) Jeffrey Neumann

Date:

Inventor (s) David A. Orwick

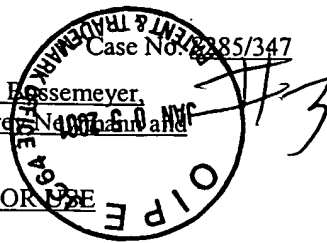
Date:

8/15/00



Inventor(s): Wilbur J. Walkoe, Jr., James S. Barber, Michael G. Gorman, Robert W. Bossemeyer,  
Michael S. Pickard, Denise V. Kagan, Scott C. Goering, Bruce E. Stuckman, Michael Tisiker, Jeffrey N. Adams and  
David A. Orwick

Title: TELECOMMUNICATION SYSTEM, METHOD AND SUBSCRIBER UNIT FOR USE  
THEREIN



### POWER OF ATTORNEY

The specification of the above-identified patent application:



is attached hereto

was filed on March 17, 2000 as application Serial No. 09/533,263

I hereby revoke all previously granted powers of attorney in the above-identified patent application and appoint the following attorneys to prosecute said patent application and to transact all business in the Patent and Trademark Office connected therewith:

Kent E. Genin - 37,834

Bruce E. Stuckman - 36,693

William A. Webb - 28,277

Joseph F. Hetz - 41,070

Please address all correspondence and telephone calls to Kent E. Genin in care of:

Brinks Hofer Gilson & Lione  
NBC Tower, Suite 3600  
P.O. Box 10395  
Chicago, IL 60610  
(312)321-4200

The undersigned hereby authorizes the U.S. attorneys named herein to accept and follow instructions from Bruce E. Stuckman as to any action to be taken in the Patent and Trademark Office regarding this application without direct communication between the U.S. attorney and the undersigned. In the event of a change in the persons from whom instructions may be taken, the U.S. attorneys named herein will be so notified by the undersigned.

\_\_\_\_\_  
Inventor (s) Wilbur J. Walkoe, Jr.

Date: \_\_\_\_\_

\_\_\_\_\_  
Inventor (s) James S. Barber

Date: \_\_\_\_\_

\_\_\_\_\_  
Inventor (s) Michael G. Gorman

Date: \_\_\_\_\_

\_\_\_\_\_  
Inventor (s) Robert W. Bossemeyer

Date: \_\_\_\_\_

\_\_\_\_\_  
Inventor (s) Michael S. Pickard

Date: \_\_\_\_\_

\_\_\_\_\_  
Inventor (s) Denise V. Kagan

Date: \_\_\_\_\_

\_\_\_\_\_  
Inventor (s) Scott C. Goering

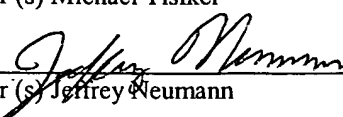
Date: \_\_\_\_\_

Inventor (s) Bruce E. Stuckman

Date: \_\_\_\_\_

Inventor (s) Michael Tisiker

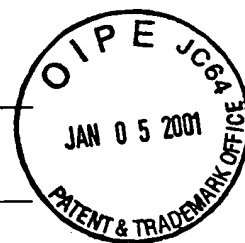
Date: \_\_\_\_\_

  
Inventor (s) Jeffrey Neumann

Date: 12/22/2002

Inventor (s) David A. Orwick

Date: \_\_\_\_\_



Inventor(s): Wilbur J. Walkoe, Jr., James S. Barber, Michael G. Gorman, Robert W. Bossemeyer, Michael S. Pickard, Denise V. Kagan, Scott C. Goering, Bruce E. Stuckman, Michael Tisiker, Jeffrey Newmann and David A. Orwick

Title: TELECOMMUNICATION SYSTEM, METHOD AND SUBSCRIBER UNIT FOR USE THEREIN

## POWER OF ATTORNEY



The specification of the above-identified patent application:



is attached hereto

was filed on March 17, 2000 as application Serial No. 09/533,263

I hereby revoke all previously granted powers of attorney in the above-identified patent application and appoint the following attorneys to prosecute said patent application and to transact all business in the Patent and Trademark Office connected therewith:

Kent E. Genin - 37,834

Bruce E. Stuckman - 36,693

William A. Webb - 28,277

Joseph F. Hetz - 41,070

Please address all correspondence and telephone calls to Kent E. Genin in care of:

Brinks Hofer Gilson & Lione  
NBC Tower, Suite 3600  
P.O. Box 10395  
Chicago, IL 60610  
(312)321-4200

The undersigned hereby authorizes the U.S. attorneys named herein to accept and follow instructions from Bruce E. Stuckman as to any action to be taken in the Patent and Trademark Office regarding this application without direct communication between the U.S. attorney and the undersigned. In the event of a change in the persons from whom instructions may be taken, the U.S. attorneys named herein will be so notified by the undersigned.

\_\_\_\_\_  
Inventor (s) Wilbur J. Walkoe, Jr.

Date: \_\_\_\_\_

\_\_\_\_\_  
Inventor (s) James S. Barber

Date: \_\_\_\_\_

\_\_\_\_\_  
Inventor (s) Michael G. Gorman

Date: \_\_\_\_\_

\_\_\_\_\_  
Inventor (s) Robert W. Bossemeyer

Date: \_\_\_\_\_

\_\_\_\_\_  
Inventor (s) Michael S. Pickard

Date: \_\_\_\_\_

\_\_\_\_\_  
Inventor (s) Denise V. Kagan

Date: \_\_\_\_\_

Scott C. Goering  
Inventor (s) Scott C. Goering

Date: 8/9/00

\_\_\_\_\_  
Inventor (s) Bruce E. Stuckman

Date: \_\_\_\_\_

\_\_\_\_\_  
Inventor (s) Michael Tisiker

Date: \_\_\_\_\_

\_\_\_\_\_  
Inventor (s) Jeffrey Neumann

Date: \_\_\_\_\_

\_\_\_\_\_  
Inventor (s) David A. Orwick

Date: \_\_\_\_\_

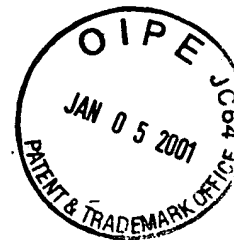
Rev. Dec.-99

F:\COMMON\EG\ameritech 8285\8285-347\8285-347 Power of Attorney.doc

Inventor(s): Wilbur J. Walkoe, Jr., James S. Barber, Michael G. Gorman, Robert W. Bossemeyer, Michael S. Pickard, Denise V. Kagan, Scott C. Goering, Bruce E. Stuckman, Michael Tisiker, Jeffrey Newmann and David A. Orwick

Title: TELECOMMUNICATION SYSTEM, METHOD AND SUBSCRIBER UNIT FOR USE THEREIN

## POWER OF ATTORNEY



The specification of the above-identified patent application:



is attached hereto



was filed on March 17, 2000 as application Serial No. 09/533,263

I hereby revoke all previously granted powers of attorney in the above-identified patent application and appoint the following attorneys to prosecute said patent application and to transact all business in the Patent and Trademark Office connected therewith:

Kent E. Genin - 37,834

Bruce E. Stuckman - 36,693

William A. Webb - 28,277

Joseph F. Hetz - 41,070

Please address all correspondence and telephone calls to Kent E. Genin in care of:

Brinks Hofer Gilson & Lione  
NBC Tower, Suite 3600  
P.O. Box 10395  
Chicago, IL 60610  
(312)321-4200

The undersigned hereby authorizes the U.S. attorneys named herein to accept and follow instructions from Bruce E. Stuckman as to any action to be taken in the Patent and Trademark Office regarding this application without direct communication between the U.S. attorney and the undersigned. In the event of a change in the persons from whom instructions may be taken, the U.S. attorneys named herein will be so notified by the undersigned.

Wilbur J. Walkoe, Jr.

Inventor(s) Wilbur J. Walkoe, Jr.

Date: 8/8/2000

Inventor (s) James S. Barber

Date: \_\_\_\_\_

Inventor (s) Michael G. Gorman

Date: \_\_\_\_\_

Inventor (s) Robert W. Bossemeyer

Date: \_\_\_\_\_

Inventor (s) Michael S. Pickard

Date: \_\_\_\_\_

Inventor (s) Denise V. Kagan

Date: \_\_\_\_\_

Inventor (s) Scott C. Goering

Date: \_\_\_\_\_

Inventor (s) Bruce E. Stuckman

Date:

Inventor (s) Michael Tisiker

Date:

Inventor (s) Jeffrey Neumann

Date:

Inventor (s) David A. Orwick

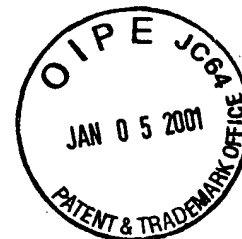
Date:



Inventor(s): Wilbur J. Walkoe, Jr., James S. Barber, Michael G. Gorman, Robert W. Bossemeyer, Michael S. Pickard, Denise V. Kagan, Scott C. Goering, Bruce E. Stuckman, Michael Tisiker, Jeffrey Newmann and David A. Orwick

Title: TELECOMMUNICATION SYSTEM, METHOD AND SUBSCRIBER UNIT FOR USE THEREIN

### POWER OF ATTORNEY



The specification of the above-identified patent application:

- ☐ is attached hereto  
☒ was filed on March 17, 2000 as application Serial No. 09/533,263

I hereby revoke all previously granted powers of attorney in the above-identified patent application and appoint the following attorneys to prosecute said patent application and to transact all business in the Patent and Trademark Office connected therewith:

Kent E. Genin - 37,834

Bruce E. Stuckman - 36,693

William A. Webb - 28,277

Joseph F. Hetz - 41,070

Please address all correspondence and telephone calls to Kent E. Genin in care of:

Brinks Hofer Gilson & Lione  
 NBC Tower, Suite 3600  
 P.O. Box 10395  
 Chicago, IL 60610  
 (312)321-4200

The undersigned hereby authorizes the U.S. attorneys named herein to accept and follow instructions from Bruce E. Stuckman as to any action to be taken in the Patent and Trademark Office regarding this application without direct communication between the U.S. attorney and the undersigned. In the event of a change in the persons from whom instructions may be taken, the U.S. attorneys named herein will be so notified by the undersigned.

\_\_\_\_\_  
 Inventor (s) Wilbur J. Walkoe, Jr.

Date: \_\_\_\_\_

\_\_\_\_\_  
 Inventor (s) James S. Barber

Date: \_\_\_\_\_

\_\_\_\_\_  
 Inventor (s) Michael G. Gorman

Date: \_\_\_\_\_

\_\_\_\_\_  
 Inventor (s) Robert W. Bossemeyer

Date: \_\_\_\_\_

\_\_\_\_\_  
 Inventor (s) Michael S. Pickard

Date: \_\_\_\_\_

\_\_\_\_\_  
 Inventor (s) Denise V. Kagan

Date: \_\_\_\_\_

\_\_\_\_\_  
 Inventor (s) Scott C. Goering

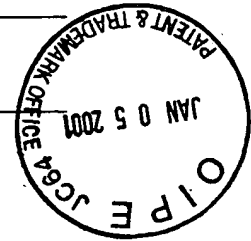
Date: \_\_\_\_\_

Date: \_\_\_\_\_

Date: 9-25-2000

Date: \_\_\_\_\_

Date: \_\_\_\_\_



Inventor(s): Wilbur J. Walkoe, Jr., James S. Barber, Michael G. Gorman, Robert W. Bossemeyer, Michael S. Pickard, Denise V. Kagan, Scott C. Goering, Bruce E. Stuckman, Michael Tisiker, Jeffrey Newmann and David A. Orwick

Title: TELECOMMUNICATION SYSTEM, METHOD AND SUBSCRIBER UNIT FOR USE THEREIN

# POWER OF ATTORNEY



The specification of the above-identified patent application:



is attached hereto



was filed on March 17, 2000 as application Serial No. 09/533,263

I hereby revoke all previously granted powers of attorney in the above-identified patent application and appoint the following attorneys to prosecute said patent application and to transact all business in the Patent and Trademark Office connected therewith:

Kent E. Genin - 37,834

Bruce E. Stuckman - 36,693

William A. Webb - 28,277

Joseph F. Hetz - 41,070

Please address all correspondence and telephone calls to Kent E. Genin in care of:

Brinks Hofer Gilson & Lione  
NBC Tower, Suite 3600  
P.O. Box 10395  
Chicago, IL 60610  
(312)321-4200

The undersigned hereby authorizes the U.S. attorneys named herein to accept and follow instructions from Bruce E. Stuckman as to any action to be taken in the Patent and Trademark Office regarding this application without direct communication between the U.S. attorney and the undersigned. In the event of a change in the persons from whom instructions may be taken, the U.S. attorneys named herein will be so notified by the undersigned.

Inventor (s) Wilbur J. Walkoe, Jr.

Date: \_\_\_\_\_

Inventor (s) James S. Barber

Date: \_\_\_\_\_

Inventor (s) Michael G. Gorman

Date: \_\_\_\_\_

Inventor (s) Robert W. Bossemeyer

Date: Oct. 6, 2000

Inventor (s) Michael S. Pickard

Date: \_\_\_\_\_

Inventor (s) Denise V. Kagan

Date: \_\_\_\_\_

Inventor (s) Scott C. Goering

Date: \_\_\_\_\_

\_\_\_\_\_  
Inventor (s) Bruce E. Stuckman

Date: \_\_\_\_\_

\_\_\_\_\_  
Inventor (s) Michael Tisiker

Date: \_\_\_\_\_

\_\_\_\_\_  
Inventor (s) Jeffrey Neumann

Date: \_\_\_\_\_

\_\_\_\_\_  
Inventor (s) David A. Orwick

Date: \_\_\_\_\_

